

testtest

Tuesday, 4 July 2017 - Tuesday, 4 July 2017

Book of Abstracts

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$\sqrt{3}$ 1

1 $\sqrt{3}$ **Author:** Klaus Wurst^{None}**Corresponding Author:** jeeree@web.de

$$\begin{aligned}\sqrt{37} &= \sqrt{\frac{73^2-1}{12^2}} \\ &= \sqrt{\frac{73^2}{12^2} \cdot \frac{73^2-1}{73^2}} \\ &= \sqrt{\frac{73^2}{12^2}} \sqrt{\frac{73^2-1}{73^2}} \\ &= \frac{73}{12} \sqrt{1 - \frac{1}{73^2}} \\ &\approx \frac{73}{12} \left(1 - \frac{1}{2 \cdot 73^2}\right)\end{aligned}$$